

CREO PARAMETRIC 4.0 *SNEAK PEEK* WHAT'S NEW IN 2D DETAILING

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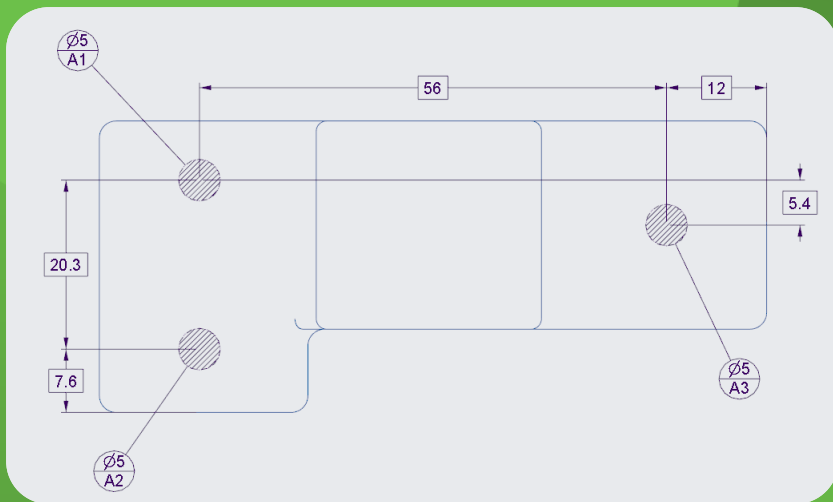
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DATUM TARGET ENHANCEMENTS

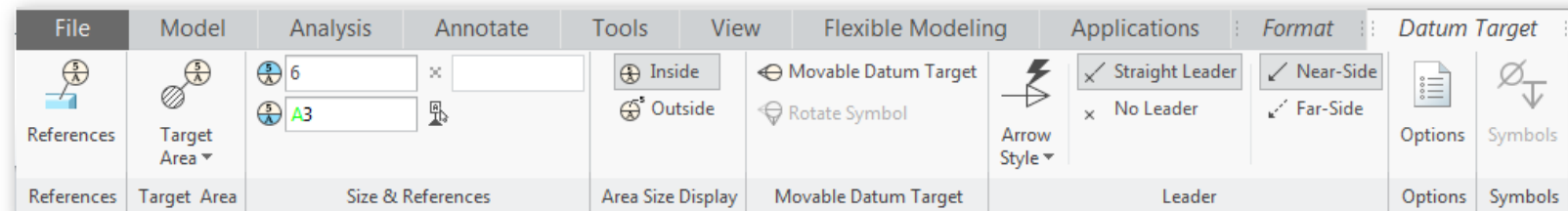
QUICKLY CREATE STANDARDS-COMPLIANT DATUM TARGETS

CREATION AND EDITING
FLEXIBLE REFERENCES
BUILT-IN TARGET AREAS
OUTSIDE DIMENSION



CREO 4.0 DATUM TARGET ENHANCEMENTS

- Creation and editing
 - Placement workflow – immediate preview
 - Contextual ribbon for editing properties
 - Movable datum target symbol
 - Leader line enhancements
- Flexible and standards-compliant references to datum feature
 - Selection of datum feature symbol or parsing of typed text
- Built-in standard target areas
 - Point, Circular, Rectangular, None
 - Target area size controlled by dimension within annotation
- Outside dimension placement
 - Supports standards when dimension doesn't fit



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Benefits

- Save time by quickly creating and editing datum target annotations
- Conform to latest GD&T standards

INTUITIVE CREATION AND EDITING WORKFLOWS



Immediate preview of datum target on creation

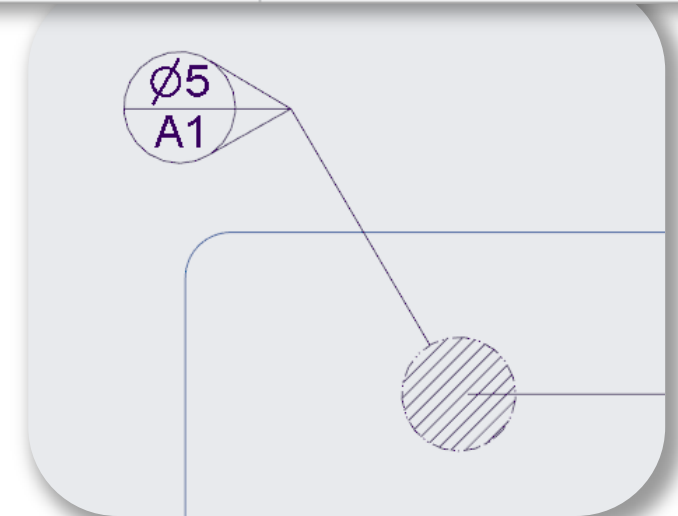
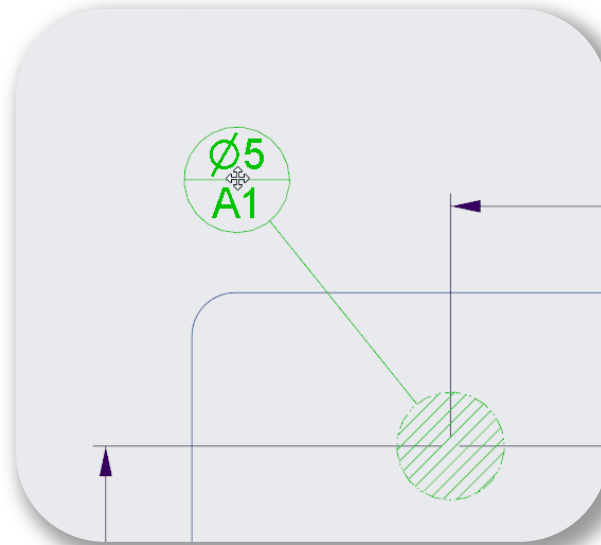
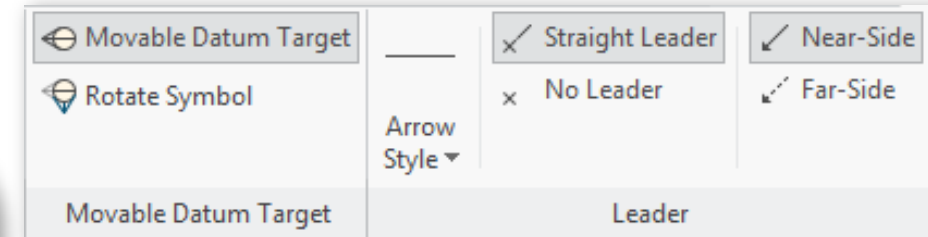
- Drag to select leader reference and placement location

Contextual ribbon tab for editing properties of datum target

- Opens and closes on selection

Standards-based options

- Movable datum target symbol
- Leader options



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Benefits

- Facilitate machine-readable GD&T for downstream use
- Provide proper query-response behavior
- Conform to GD&T standards

FLEXIBLE AND STANDARDS-COMPLIANT REFERENCES

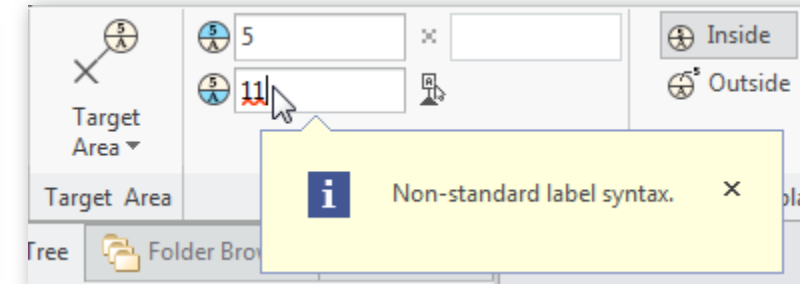
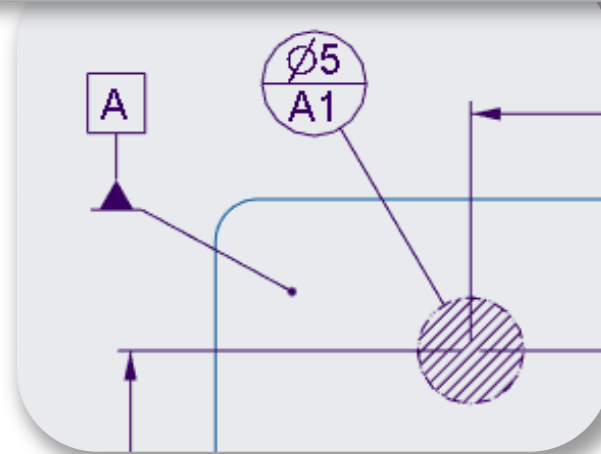
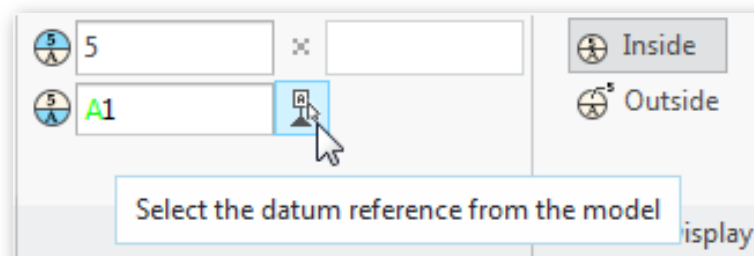


Flexible datum feature reference

- Non-semantic – text only
- Semantic – reference to existing datum feature symbol

Syntax checking identifies non-standard content

- Highlighted in the UI and graphics window



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Benefits

- Save time by quickly creating graphical target areas as part of datum target annotation
- Conform to latest GD&T standards

INTELLIGENT BUILT-IN TARGET AREAS

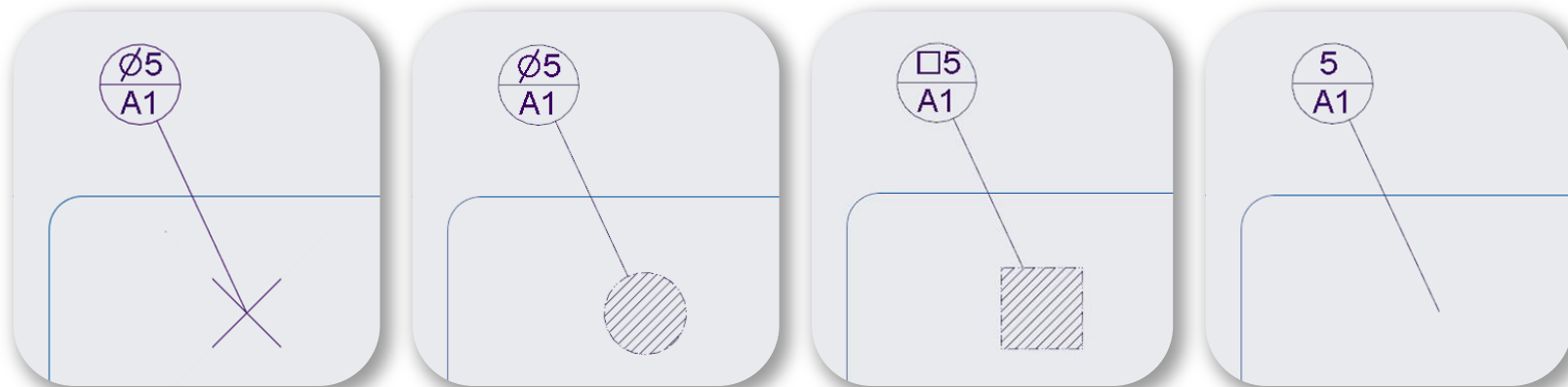
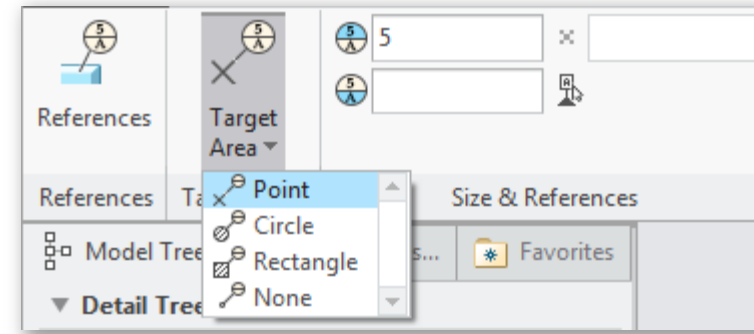


Standard target areas:

- Point, Circular, Rectangular, None

Target area size controlled by dimension within annotation

- Intelligent prefix based on target area shape



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TARGET AREA DIMENSION OUTSIDE OF SYMBOL

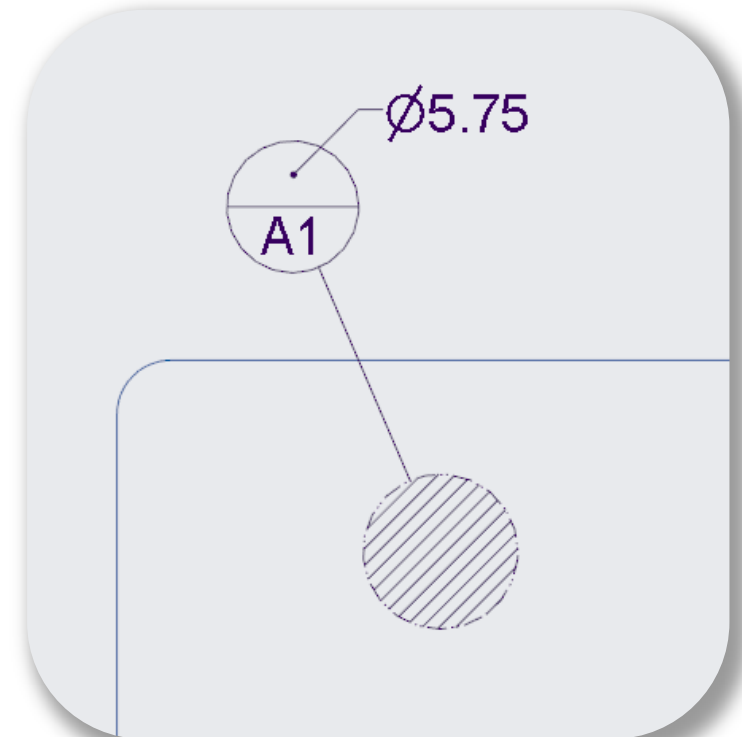
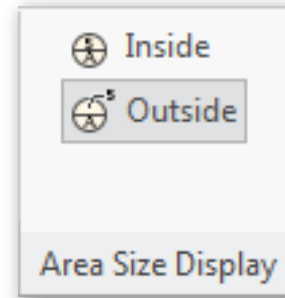


Specify placement of target area size dimension

- Inside upper half of target circle
- Outside of target circle with leader

Supports standards when dimension doesn't fit inside circle

- Dimension leader has fixed length and angle





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